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STATISTICAL SUPPLEMENT

to

Agricultural Experiment Station Circular 370

CALIFORNIA OLIVES

SITUATION AND OUTLOOK

by

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Contribution from the

Giannini Foundation of Agricultural Economics



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Table 1

1.

## California Olives: Acreage by Leading Counties, District and Variety, 1945

County and district	Bearing acreage							Total non-bearing
	Asco-lano	Barouni	Manzanillo	Mission	Sevil-lano	Others	Total	
acres								
Sacramento Valley:								
Butte	83	117	259	3,305	264	56	4,084	86
Glenn	0	0	53	384	33	44	514	48
Sacramento	38	44	378	1,159	91	103	1,813	11
Shasta	0	32	0	444	48	36	560	10
Tehama	3	1	48	443	1,829	87	2,411	264
Yolo	8	22	5	281	3	38	357	3
Yuba	0	38	68	549	0	0	655	31
Colusa, Solano, and Sutter	6	0	21	74	2	21	124	0
Total	138	254	832	6,639	2,270	385	10,518	453
San Joaquin Valley:								
Fresno	70	5	440	505	42	140	1,202	50
Kern	8	0	25	394	4	26	457	10
Kings	253	0	20	0	18	1	292	60
Madera	0	0	258	160	0	73	491	21
Merced	1	0	10	104	2	7	124	0
San Joaquin	0	0	93	228	0	30	351	12
Stanislaus	1	1	111	116	1	25	255	1
Tulare	146	80	2,681	1,920	362	532	5,721	1,526
Total	479	86	3,638	3,427	429	834	8,893	1,680
Foothill counties:								
Total <sup>a</sup>	10	2	82	558	34	53	739	11
Central coast counties:								
Total <sup>b</sup>	5	0	4	121	10	137	277	0
Southern California:								
Los Angeles	9	0	277	989	103	222	1,600	0
Orange	3	0	0	74	0	37	114	0
Riverside	25	39	206	525	9	163	967	12
San Bernardino	2	0	37	615	0	20	674	0
San Diego	40	2	69	824	2	44	981	12
Santa Barbara	0	0	0	234	1	30	265	1
Ventura	0	0	3	16	13	16	48	0
Total	79	41	592	3,277	128	532	4,649	25
Total state, bearing	711	383	5,148	14,022	2,871	1,941	25,076	
Total state, nonbearing	46	1	1,513	262	262	85		2,169
Total state acreage	757	384	6,661	14,284	3,133	2,026		27,245

a/ Foothill counties east of central valley: Amador, Calaveras, Mariposa, and Placer.

b/ Central coast counties with small acreages: Alameda, Contra Costa, Lake, Napa, San Benito, San Luis Obispo, San Mateo, Santa Clara, Santa Cruz, and Sonoma.

## Sources of data:

Data on varieties by counties are unpublished estimates of the California Crop and Livestock Reporting Service. Other data from: California Crop and Livestock Reporting Service. Acreage Estimates California Fruit and Nut Crops as of 1945. Sacramento. June, 1946.

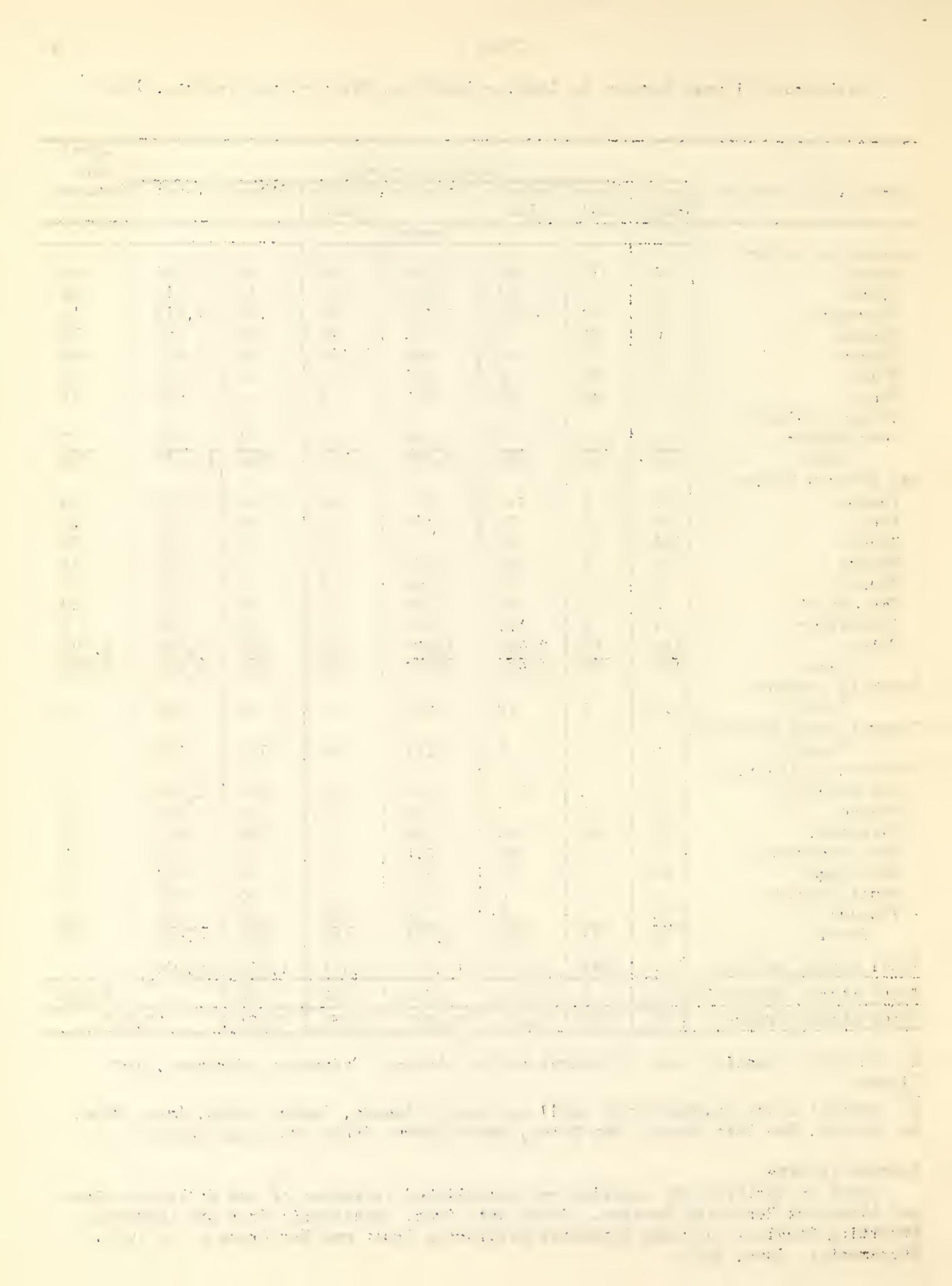


Table 2

## California Olives: Acreage, Production, and Farm Value, 1922-1946

Year	New plantings <sup>a</sup>	Non-bearing acreage	Bearing acreage	Total production <sup>b</sup>	Yield per bearing acre	Farm value per ton	Total farm value
	acres	acres	acres	tons	tons	dollars	dollars
1922	749	7,683	24,474	10,000	0.41	88.70	887,000
1923	864	7,182	25,583	17,000	0.66	83.10	1,413,000
1924	542	6,224	26,688	7,000	0.26	72.10	505,000
1925	704	5,377	27,597	15,000	0.54	55.80	837,000
1926	117	5,188	28,303	12,000	0.42	92.20	1,106,000
1927	223	5,925	28,677	21,000	0.73	85.30	1,791,000
1928	61	4,751	29,047	22,000	0.76	80.00	1,760,000
1929	286	3,681	27,698	21,000	0.76	66.90	1,405,000
1930	90	2,998	26,793	20,000	0.75	62.70	1,254,000
1931	92	2,584	26,278	16,000	0.61	39.40	630,000
1932	86	1,471	26,155	22,000 <sup>c</sup>	0.84	32.00	544,000
1933	73	5,799	20,612 <sup>d</sup>	14,000	0.68	58.30	816,000
1934	208	960	24,524	18,000	0.73	85.30	1,535,000
1935	139	840	24,707	32,000	1.30	45.40	1,453,000
1936	39	740	25,227	27,000	1.07	62.50	1,688,000
1937	80	574	24,438	28,000	1.15	67.60	1,893,000
1938	147	620	24,053	45,000 <sup>c</sup>	1.87	45.80	1,992,000
1939	54	588	23,566	23,000	0.98	74.00	1,702,000
1940	139	620	23,647	69,000	2.92	76.20	5,602,000
1941	152	527	24,512	55,000	2.24	153.00	8,415,000
1942	316	595	25,346	57,000	2.25	122.00	6,954,000
1943	453	1,321	24,797	57,000	2.30	178.00	10,146,000
1944	423	1,670	24,961	42,000	1.68	200.00	8,400,000
1945	638	2,169	25,076	30,000	1.20	269.00	8,070,000
1946	--	--	25,130	46,000	1.83	352.00	16,192,000

a/ New plantings are approximate estimates based on ages of trees remaining in certain years. They are included to give the reader a picture of grower responses to current prices and other conditions.

b/ Production for year shown is of that year's bloom and beginning of harvest. For example, the 1938 production would be that harvested from October, 1938 to March, 1939.

c/ Includes amounts not harvested on account of market conditions--5,000 tons in 1932 and 1,500 tons in 1938.

d/ The drop in bearing acreage from 1932 to 1933 is due to the freeze of that winter, which killed back bearing surface and placed about 4,000 acres back in the non-bearing acreage for 1933.

Source of data:

California Crop and Livestock Reporting Service, Sacramento.

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<http://archive.org/details/statisticalsup37047shul>

Table 3

## California Olives: Utilization and Growers' Prices, 1922-1945

Year	Canned, ripe and green ripe		Crushed for oil		Out-of-state shipments		Other uses		Total utilization	
	Amount	Price per ton	Amount	Price per ton	Amount	Price per ton	Amount	Price per ton	Amount	Price per ton
	tons	dollars	tons	dollars	tons	dollars	tons	dollars	tons	dollars
1922	6,300	110.00	2,000	38.00	200	78.00	1,500	65.00	10,000	88.70
1923	10,400	108.00	4,600	34.00	300	76.00	1,700	62.00	17,000	83.10
1924	2,900	110.00	2,400	33.00	400	65.00	1,300	60.00	7,000	72.10
1925	6,200	80.00	6,700	33.00	700	65.00	1,400	53.00	15,000	55.80
1926	7,200	122.00	3,400	35.00	400	94.00	1,000	66.00	12,000	92.20
1927	11,200	120.00	6,800	35.00	500	80.00	2,500	66.00	21,000	85.30
1928	13,300	103.00	5,800	34.00	500	68.00	2,400	65.00	22,000	80.00
1929	9,800	94.00	8,200	36.00	600	72.00	2,400	60.00	21,000	66.90
1930	9,800	88.00	7,800	33.00	400	65.00	2,000	53.00	20,000	62.70
1931	6,400	60.00	7,100	20.00	500	50.00	2,000	40.00	16,000	39.40
1932	5,900	44.00	8,200	20.00	500	52.00	2,400	40.00	17,000	32.00
1933	7,900	75.70	4,200	30.00	200	55.00	1,700	46.00	14,000	58.30
1934	9,900	116.00	4,400	38.00	900	60.00	2,800	57.00	18,000	85.30
1935	7,800	72.60	17,300	31.00	1,300	60.00	5,600	49.00	32,000	45.40
1936	13,800	80.50	11,000	42.00	500	65.00	1,700	47.00	27,000	62.50
1937	11,500	93.00	12,300	46.00	500	70.00	3,700	60.00	28,000	67.60
1938	6,900	99.30	27,000	29.00	1,400	55.00	8,200	55.00	43,500	45.80
1939	12,200	93.40	6,100	42.00	800	90.00	3,900	61.00	23,000	74.00
1940	16,200	93.00	39,100	70.00	1,500	89.00	12,200	72.00	69,000	76.20
1941	16,700	167.00	28,300	145.00	400	150.00	9,600	154.00	55,000	153.00
1942	11,100	125.00	34,200	120.00	1,400	140.00	10,300	123.00	57,000	122.00
1943	15,500	174.00	28,600	181.00	800	190.00	12,100	174.00	57,000	178.00
1944	13,800	221.00	19,800	185.00	600	210.00	7,800	202.00	42,000	200.00
1945	13,900	301.00	9,400	211.00	100	340.00	6,600	289.00	30,000	270.00

Sources of data:

California Crop and Livestock Reporting Service. California Olive Production.  
 June 6, 1945. California Fruit and Nut Crops. November 1, 1946. (Mimeo.)  
 Sacramento.



Table 4

## United States Imports of Olives for Consumption, 1924-1946

Year	Olives in brine			Ripe or dried <sup>a</sup>	Total
	Green	Pitted or stuffed	Ripe		
gallons					
1924	3,903,694	1,858,339	1,620,641	31,845	7,414,519
1925	2,815,758	1,567,027	1,231,630	103,351	5,717,766
1926	3,077,108	2,040,107	756,597	22,879	5,896,691
1927	3,160,191	1,894,784	146,896	813,471	6,015,342
1928	4,793,202	2,474,416	237,716	853,875	8,359,209
1929	4,849,539	2,500,767	311,066	958,628	8,620,000
1930	5,512,560	3,306,759	391,237	605,099	9,815,655
1931	3,324,793	2,447,483	648,691	52,449	6,473,416
1932	3,563,367	2,514,947	619,646	85,604	6,783,564
1933	2,655,599	2,283,765	600,595	37,705	5,577,664
1934	2,659,033	2,307,248	555,966	14,056	5,536,303
1935	3,616,551	2,864,245	497,675	185,790	7,164,261.
1936	3,073,695	3,609,035	101,133	503,059	7,286,922
1937	2,676,014	2,927,827	4,541	60,277	5,668,659
1938	3,251,403	2,898,777	b	16,861	6,167,041
1939	3,237,557	3,152,511	b	19,169	6,409,237
1940	3,902,000	3,708,000	b	21,000	7,631,000
1941	2,478,300	3,168,382	b	15,209	5,661,891
1942	2,486,392	2,614,709	4,000	1,040	5,106,141
1943	3,534,256	5,161,720	3	83	8,696,062
1944	4,634,432	5,168,247	19,195	43	9,821,917
1945	2,284,081	6,898,060	--	--	9,182,141
1946 <sup>c</sup>	2,719,475	7,965,636	404,285	36,048	11,125,444

<sup>a</sup>/ Converted to gallons on the basis of 6 pounds per gallon. Since 1930 these data include imports of olives "not specifically provided for".

<sup>b</sup>/ Reported with green olives in brine.

<sup>c</sup>/ General imports for 1946

## Sources of data:

- United States Bureau of Foreign and Domestic Commerce. 1924-1943: Foreign Commerce and Navigation of the United States. Annual issues.
- 1944-1945: From the San Francisco office.
- 1946: United States Bureau of the Census. United States General Imports of Merchandise. Annual issues.



Edible Olive Oil: United States Production, Imports, Disappearance, and Wholesale Prices  
1927-1946

Year	California olives		Domestic production	Imports for disappearance	Apparent disappearance	Domestic production as per cent of supply	Wholesale price of olive oil, New York	Wholesale price of cottonseed oil, New York	
	Crushed for oil	Grover price per ton							
	tons	dollars		1,000 gallons		per cent		dollars per gallon	
1927	3,400	35.00	122	9,185	9,163	1.3	2.49	0.73	
1928	6,800	35.00	228	10,143	10,481	2.1	2.36	0.74	
1929	5,800	34.00	209	11,759	11,706	1.7	2.27	0.73	
1930	8,200	36.00	319	11,377	11,409	2.6	2.02	0.62	
1931	7,800	33.00	324	8,716	9,567	3.2	1.76	0.46	
1932	7,100	20.00	271	9,227	9,426	2.7	1.49	0.29	
1933	8,200	20.00	311	8,951	8,984	3.2	1.55	0.34	
1934	4,200	30.00	161	7,012	7,798	2.0	1.73	0.49	
1935	4,400	38.00	179	8,901	8,933	1.9	1.73	0.78	
1936	17,300	31.00	683	7,754	8,291	7.8	1.81	0.74	
1937	11,000	42.00	437	6,096	6,740	6.2	2.39	0.69	
1938	12,300	46.00	498	8,909	9,092	5.1	1.95	0.59	
1939	27,000	29.00	1,080	7,917	8,507	11.2	1.97	0.50	
1940	6,100	42.00	244	6,468	6,568	3.1	2.40	0.47	
1941	39,100	70.00	1,564	1,340	3,110	37.5	4.69	0.79	
1942	28,300	145.00	1,132	927	2,307	36.4	4.64	1.04	
1943	34,200	120.00	1,368	437	2,322	52.4	4.66	1.05	
1944	28,600	181.00	1,144	40 <sup>c</sup>	1,326	78.7	4.57	1.07	
1945	19,800	185.00	792	1,209 <sup>c</sup>	2,010	36.8	4.55	1.07	
1946	9,400	211.00	376	1,897 <sup>c</sup>	1,856	15.6	4.46	1.34	



6  
Table 5 continued.

- a/ California olives crushed for oil from crop beginning previous October 1.  
b/ Imported olive oil through 1941, California olive oil thereafter.  
c/ General imports.

Sources of data:

- Col. 1-2: California Crop and Livestock Reporting Service, Sacramento.
- Col. 3: 1927-1938: Rush, Donald R., Economic Statistics Relating to the California Olive Industry. U. S. Dept. Agr. Div. of Marketing and Marketing Agreements, mimeo. p. 15. February, 1940.
- 1939-1945: California Crop and Livestock Reporting Service, Sacramento. (40 gallons per ton used as the conversion factor.)
- Col. 4: 1927-1943: U. S. Bureau of Foreign and Domestic Commerce. Annual issues.
- 1944: U. S. Dept. Agr. Office of Foreign Agricultural Relations. Mediterranean Basin. Olive Oil Output Near Average. FFO 1-47. p. 14. Mimeo. 1945-1946: United States Bureau of the Census. United States General Imports of Merchandise. Annual issues. Data converted to gallons on the basis of 7.5 pounds per gallon.
- Col. 5: Apparent disappearance is December 31 carry-in from previous year plus production and imports less carry-over at end of year.
- Col. 6: Supply is December 31 carry-in from previous year plus production and imports.
- Col. 7-8: U. S. Bureau of Agricultural Economics. The Fats and Oils Situation. Mimeo. January-February, 1946. p. 27. February, 1947. p. 10.



Table 6

## California Ripe Olive Pack, Sales, and Carry-over, 1926-1945

Year	Pack	Previous carry-over	Available supply	Sales	Carry-over	Quantity of olives canned ripe	Growers' price per ton
							7
							dollars
			1,000 cases				
1926	470	110	580	475	105	7,200	122.00
1927	728	105	833	629	204	11,200	120.00
1928	865	204	1,069	872	197	13,300	103.00
1929	635	197	832	584	248	9,800	94.00
1930	635	248	883	643	240	9,800	88.00
1931	417	240	657	509	148	6,400	60.00
1932	379	148	527	473	54	5,900	44.00
1933	502	54	556	441	115	7,900	75.70
1934	640	115	755	555	200	9,900	116.00
1935	553	200	753	649	104	7,800	72.60
1936	952	104	1,056	774	282	13,800	80.50
1937	743	282	1,025	731	294	11,500	93.00
1938	603	294	897	773	124	6,900	99.30
1939	868	124	992	866	126	12,200	93.40
1940	1,135	126	1,261	1,184	77	16,200	93.00
1941	1,170	77	1,247	1,129	118	16,700	167.00
1942	752	118	870	868	2	11,100	125.00
1943	1,080	2	1,082	1,065	17	15,500	174.00
1944	959	17	976	966	10	13,800	221.00
1945	932	10	942	1,026	84 <sup>a</sup>	13,900	301.00

<sup>a/</sup> Minus carry-over; during the period October 1 to December 1, new pack goods were sold in addition to old stocks.

## Sources of data:

Cols. 1-5: California Olive Association. Statistics Relating to the California Olive Industry. March 20, 1946. Mimeo.

Cols. 6-7: From Table 3, Cols. 1 and 2.

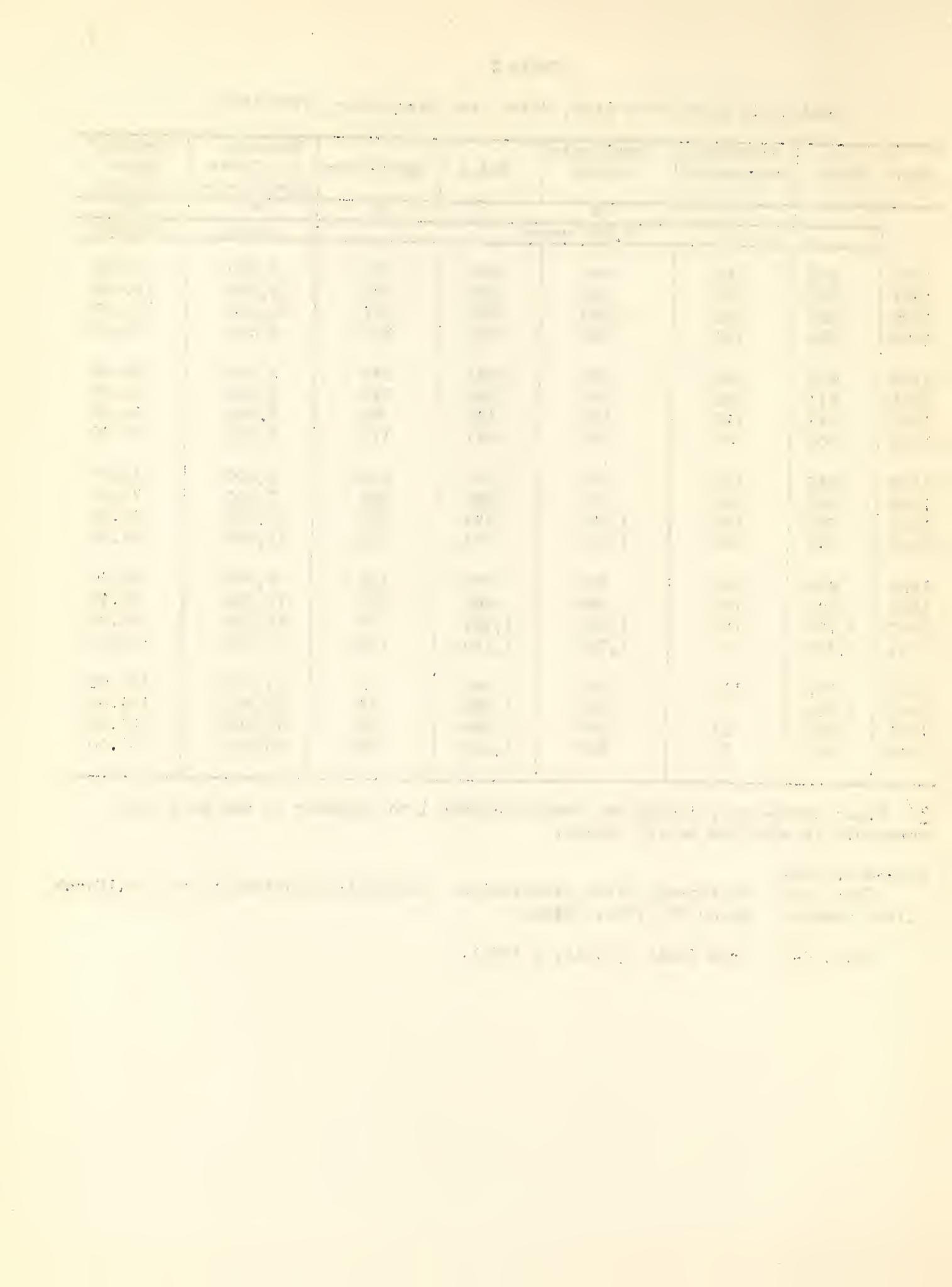


Table 7

Olive Oil, Edible: United States Imports<sup>a</sup> by Countries of Origin, 1926-1946

Year	Italy	Spain	France	Greece	Algeria and Tunisia	Palestine and Syria	Portugal	Other countries	Total	Total net including container
1,000 pounds										
1926	55,402	16,966	4,434	209	817	123	60	495	78,506	71,460
1927	47,110	18,895	6,010	1,016	1,557	35	10	392	75,025	69,040
1928	53,936	22,693	4,543	477	684	42	347	222	82,944	76,190
1929	71,842	16,512	5,138	1,173	1,959 <sup>b</sup>	5	109	60	96,798	88,390
1930	63,172	24,546	2,478	322	2,041	94	256	55	92,964	85,490
1931	42,018	24,016	2,707	211	1,034	19	203	186	70,394	65,470
1932	44,706	26,052	1,689	546	1,128	37	78	38	74,274	69,260
1933	43,789	22,046	2,412	2,328	1,268	14	92	14	71,963	67,180
1934	29,691	23,399	2,410	234	164	17	80	13	56,008	52,590
1935	35,821	31,038	2,195	932	628	25	94	56	70,789	66,760
1936	22,374	32,380	3,625	637	1,639	17	266	34	60,972	58,160
1937	26,718	10,603	6,121	1,964	2,653	18	144	122	48,343	45,720
1938	40,488	5,212	8,671	6,717	9,469	61	395	73	71,086	66,820
1939	32,251	8,647	3,714	14,270	2,872	103	940	69	62,866	59,374
1940	12,744	5,851	1,348	26,671	102	25	809	2,530	50,080	48,508 <sup>b</sup>
1941	396	644	71	6,043	794	259	214	1,697	10,118	10,052 <sup>b</sup>
1942	225	986	45	2,206	280	169	313	2,762	6,986	6,956 <sup>b</sup>
1943	34	533	40	1,139	242	318	80	902	3,288	3,276 <sup>b</sup>
1944 <sup>c</sup>	0	62	0	0	0	0	0	238	300	300 <sup>b</sup>
1945 <sup>c</sup>	0	9,234	0	0	0	0	0	0	9,234	9,069 <sup>b</sup>
1946 <sup>b</sup>	4,124	8,455	0	31	0	1,885	0	149	14,644	14,227 <sup>b</sup>

<sup>a/</sup> General imports 1926-1933 and 1944-1946, imports for consumption 1934-1943. One gallon olive oil weighs 7.5 pounds.

<sup>b/</sup> Estimated.

<sup>c/</sup> Preliminary.



9.

Table 7 continued.

Sources of data:

- 1926-1939: Rush, Donald R. Economic Statistics Relating to the California Olive Industry.  
U. S. Dept. Agr., Div. of Marketing and Marketing Agreements,-mimeo. February 1940. p. 19.
- 1940-1943: United States Bureau of Foreign and Domestic Commerce. Foreign Commerce and Navigation  
of the United States. Annual issues.
- 1944: United States Department of Agriculture, Office of Foreign Agricultural Relations.  
Mediterranean Basis Olive-Oil Output Near Average. FFJ 1-47. p. 14. Mimeo.
- 1945-1946: United States Bureau of the Census. United States General Imports of Merchandise.  
Annual issues.



Table 8

Olives: United States Imports<sup>a</sup> by Countries of Origin, 1926-1946

Year	Spain	Greece	Italy	Algeria, Tunisia, Morocco	Syria, Palestine	China, Hong- Kong	Peru, Chile	Others	Total
1926	4,778,176	661,171	429,225	1,539	8,437	3,508	23,991	62,682	5,968,729
1927	4,473,308	91,094	435,839	0	12,235	1,019	20,219	14,482	5,048,196
1928	7,045,518	187,371	531,276	5,343	16,440	266	5,657	20,892	7,812,763
1929	5,642,078	254,395	351,059	24,762	16,172	693	8,541	13,693	6,311,393
1930	9,128,129	489,292	244,281	1,574	25,356	7,875	3,554	8,939	9,909,000
1931	4,876,795	731,561	332,524	300	15,159	17,178	21	10,964	5,984,502
1932	5,996,336	712,676	162,438	1,170	10,204	14,403	2,819	4,281	6,904,327
1933	4,619,846	606,971	120,548	847	3,640	13,337	3,030	4,691	5,372,910
1934	4,795,326	530,359	171,203	2,469	5,463	12,364	13,471	5,648	5,536,303
1935	6,353,984	647,193	105,829	14,495	6,412	12,979	13,815	9,554	7,164,261
1936	6,522,487	652,133	67,770	4,617	6,210	12,674	10,150	10,881	7,286,922
1937	4,880,513	592,171	141,884	5,959	8,786	20,125	7,962	11,259	5,668,659
1938	5,378,510	641,058	100,359	3,293	13,810	13,579	5,446	10,986	6,167,041
1939	5,675,039	656,349	34,265	1,225	10,208	17,865	4,882	9,404	6,409,237
1940	6,721,424	794,309	74,498	8,084	3,579	12,807	5,209	10,646	7,630,556
1941	5,367,479	135,448	0	8,340	120	15,467	7,569	127,468	5,661,891
1942	4,984,751	27,160	0	0	307	16,042	77,881	5,106,141	
1943	8,577,542	405	0	0	80	84,644	33,391	8,696,062	
1944 <sup>b</sup>	9,808,346	0	0	0	43	32,905	27,794	9,869,088	
1945 <sup>b</sup>	9,138,468	0	0	0	0	23,296	83,740	9,245,504	
1946 <sup>b</sup>	9,854,192	516,996	633,911	20,115	86	11,900	66,067	22,177	11,125,444

a/ General imports 1926-1933 and 1944-1946; imports for consumption, 1934-1943. Converted to gallons on the basis of 6 pounds per gallon.

b/ Preliminary.

Sources of data:

United States: Annual issues.  
1944-1946: United States Bureau of the Census. United States General Imports of Merchandise. Annual iss

